

TABLE 6

BOILERS AND HEATERS

Type of Device:				Manufacturer:			
Number from flow diagram:				Model Number:			
CHARACTERISTICS OF INPUT							
Type Fuel	Chemical Composition (% by Weight)		Inlet Air Temp °F (after preheat)		Fuel Flow Rate (scfm* or lb/hr)		
					Average	Design Maximum	
			Gross Heating Value of Fuel		Total Air Supplied and Excess Air		
			(specify units)		Average _____ scfm* _____ % excess (vol)	Design Maximum _____ scfm * _____ % excess (vol)	
HEAT TRANSFER MEDIUM							
Type Transfer Medium	Temperature °F		Pressure (psia)		Flow Rate (specify units)		
(Water, oil, etc.)	Input	Output	Input	Output	Average	Design Maxim	
OPERATING CHARACTERISTICS							
Ave. Fire Box Temp. at max. firing rate	Fire Box Volume(ft. ³), (from drawing)		Gas Velocity in Fire Box (ft/sec) at max firing rate			Residence Time in Fire Box at max firing rate (sec)	
STACK PARAMETERS							
Stack Diameters	Stack Height	Stack Gas Velocity (ft/sec)			Stack Gas	Exhaust	
		(@Ave.Fuel Flow Rate)		(@Max. Fuel Flow Rate)	Temp °F	scfm	
CHARACTERISTICS OF OUTPUT							
Material	Chemical Composition of Exit Gas Released (% by Volume)						
Attach an explanation on how temperature, air flow rate, excess air or other operating variables are controlled.							

Also supply an assembly drawing, dimensioned and to scale, in plan, elevation, and as many sections as are needed to show clearly the operation of the combustion unit. Show interior dimensions and features of the equipment necessary to calculate in performance.

*Standard Conditions: 70°F, 14.7 psia